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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/896,699	06/29/2001	Kenneth R. Rosensteel JR.	52003207	9084

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EXAMINER

GOLD, AVI M

ART UNIT PAPER NUMBER

2157

DATE MAILED: 09/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/896,699

Applicant(s)

ROSENSTEEL ET AL.

Examiner

Avi Gold

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

This action is responsive to the application filed June 29, 2001. Claims 1-22 are pending. Claims 1-22 represent method and data processing system providing data conversion across multiple heterogeneous computer systems.

Specification

1. The disclosure is objected to because of the following informalities: status of related applications needs to be updated. Appropriate correction is required.
2. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3, 5, 6, 8-13, 15, 16, 18-22 are rejected under 35 U.S.C. 102(b) as being anticipated by Lam et al., U.S. Patent No. 5,926,636.

Lam teaches the invention as claimed including methods for managing components in a heterogeneous computer system network (see abstract).

Regarding claim 1, Lam teaches a method of translating blocked data transferred from a program executing on one of a plurality of computer systems to another of the plurality of computer systems, wherein:

the plurality of computer systems comprises:

a first computer system containing a first program communicating through an API with a first interface system (col. 5, lines 3-11, Lam discloses a first computer using API with a RPC module), and

a second computer system containing a second interface system for communicating with the first interface system (col. 5, lines 16-20, Lam discloses a second computer receiving a message buffer);

the first computer system and the second computer system are heterogeneous computer systems coupled together over a communications link (col. 5, lines 7-11, Lam discloses a heterogeneous computer network);

said method comprising:

A) opening a first session from the first program via the API through the first interface system to the second interface system (col. 5, lines 3-11, lines 16-20);

B) specifying a first translation for records transmitted over the first session (col. 5, lines 35-42, Lam discloses that a message is converted);

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C) blocking a first plurality of records into a first block of records (col. 6, lines 1-4, Lam discloses packed messages);

D) transmitting the first block of records over the first session from a first one of the plurality of computer systems to a second one of the plurality of computer systems (col. 6, lines 1-4, Lam discloses transferring from a first network stack to a second network stack);

E) unblocking the first block of records into the first plurality of records on the second one of the plurality of computer systems (col. 6, lines 6-8, Lam discloses packed messages converted back to the message); and

F) translating each of the first plurality of records in accordance with the translation specified in step (B) (col. 5, lines 35-42).

Regarding claim 2, Lam teaches the method in claim 1 wherein:

the translating in step (F) is performed in the first interface system (col. 5, lines 35-42).

Regarding claim 3, Lam teaches the method in claim 1 wherein:

the translating in step (F) is performed in the second interface system (col. 6, lines 12-19, Lam discloses converting done on a server component management application programming interface).

Regarding claim 5, Lam teaches the method in claim 1 wherein:

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each of the first plurality of records comprises a plurality of fields;
one of the plurality of fields is an integer field; and
the translating in step (F) for each of the first plurality of records
comprises:

1) translating an integer in the one of the plurality of fields from a first integer format to a second integer format (col. 12, lines 44-49, Lam discloses a server converting a message from Little-Endian format to Big-Endian format).

Regarding claim 6, Lam teaches the method in claim 5 wherein:
the translating in substep (1) of step (F) includes changing from a first endian format to a second endian format (col. 12, lines 44-49).

Regarding claim 8, Lam teaches the method in claim 1 wherein:
the specifying in step (B) utilizes a file containing a record description (col. 5, lines 35-42).

Regarding claim 9, Lam teaches the method in claim 1 wherein:
the specifying in step (B) utilizes a memory area containing a record description (col. 5, lines 47-53, Lam discloses a message in buffer memory).

Claims 10-13, 15, 16, and 18-22 do not teach or define any new limitations above claims 1-3, 5, 6, 8, and 9 and therefore are rejected for similar reasons.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 4, 7, 14, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lam further in view of Allen, U.S. Patent No. 6,658,625.

Lam teaches the invention substantially as claimed including methods for managing components in a heterogeneous computer system network (see abstract).

As to claims 4 and 7, Lam teaches the method of claim 1.

Lam fails to teach the limitation further including translating a first character format to a second character format and translating a first floating point format to a second floating point format.

However, Allen teaches a generic data converter that uses a data description to convert data (see abstract). Allen teaches the use of a floating point converted to another floating point (col. 14, lines 6-8) and the use of converting character sets (col. 16, lines 49-52).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Lam in view of Allen to translate a first character format to a second character format and translate a first floating point format to a second floating point

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format. One would be motivated to do so because it would allow for translation of different types of data.

Claims 14 and 17 do not teach or define any new limitations above claims 4 and 7 and therefore are rejected for similar reasons.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pat. No. 6,571,282 to Bowman-Amuah.

U.S. Pat. No. 6,233,619 to Narisi et al.

U.S. Pat. No. 5,596,579 to Yasrebi.

U.S. Pat. No. 5,590,281 to Stevens.

U.S. Pat. No. 6,496,871 to Jagannathan et al.

U.S. Pat. No. 6,041,344 to Bodamer et al.

U.S. Pat. No. 5,983,265 to Martino, II.

U.S. Pat. No. 6,308,178 to Chang et al.

U.S. Pat. No. 5,339,434 to Rusis.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Avi Gold whose telephone number is 703-305-8762.

The examiner can normally be reached on M-F 8:00-5:30 (1st Friday Off).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 703-308-7562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Avi Gold

Patent Examiner

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AMG


ARIO ETIENNE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER